

CLAIMS

1. A magnetic ferrite comprising iron oxide, cobalt oxide and zinc oxide as the main components and at least one selected from among the group consisting of titanium,
5 tantalum, indium, zirconium, lithium, tin and vanadium as the side component.
2. The magnetic ferrite of claim 1, wherein
the proportion of mixing among iron oxide, cobalt oxide and zinc oxide in terms
of Fe_2O_3 , CoO and ZnO converted in mol% resides in the inside of a region surrounded by
10 the ingredient lines representing the following ratios:
50 : 47 : 3 , 50 : 42 : 8 , 45 : 52 : 3, 44 : 42 : 14, 42 : 52 : 6 and 42 : 44 : 14.
3. The magnetic ferrite of claim 1, wherein
at least one selected from among the group consisting of titanium, tantalum,
15 indium, zirconium, lithium, tin and vanadium is contained as the side component for 0.2
– 2.0 wt% in terms of the oxide conversion.
4. An inductance device which is a magnetic device comprising a rod shape insulator, a
conductor coil formed spirally around the insulator, an insulation layer covering the
20 conductor coil and two external electrodes coupled with the conductor coil, wherein
the insulator is a magnetic ferrite recited in one of claims 1 through 3.
5. An impedance device which is a magnetic device comprising a magnetic insulation
member, a meandering conductor coil provided in the inside of the magnetic insulation
25 member and two external electrodes coupled with the conductor coil, wherein
the magnetic insulation member is a magnetic ferrite recited in one of claims 1
through 3.

6. A common mode noise filter which is a magnetic device comprising a ring shape core, two conductor coils wound in the same direction on the ring core, an insulation layer covering the conductor coils and four external electrodes coupled with the conductor coils, wherein

5 the ring core is a magnetic ferrite recited in one of claims 1 through 3.

7. An antenna device which is a magnetic device comprising a ferrite core, a conductor coil wound spirally around the ferrite core and an insulation layer covering the conductor coil, wherein

10 the ferrite core is a magnetic ferrite recited in one of claims 1 through 3.